INDEX

Aarons, David 62, 64
Ab Initio Mo Studies of Nitrosomethane ⇄ Formaldoxime Tautomerism 73
Ab Initio Studies of Nitramides and Nitrosamides 79
Absenteeism in an Educational Setting 93
Absher, Keith 99, 102
Ackerman-Morris, Shari 60
ACT Test Scords Correlated with Grades in Human Anatomy and Physiology 106
Adaptations for Children with Disabilities 106
Adaptive Health Behaviors of Patients Treated with a PTCA 113
Adventure Based Counseling for Adolescent Populations, swinging
from traditional medical drug treatment to 116
AIDS, therapeutic touch effectiveness in stress reduction and immune
function in persons with 70
Alabama Eminent Scholar Program in Higher Education and Colleges of Business . . . 97
Alcohol Use, relationship of traumatic brain injury to 115
Alexander, James G. 100, 103
Alexander, Paulette S. 94, 95
Algal Mats in Two Cold Springs in the Southeastern United States,
a comparison of faunal communities in 158
Allison, David T. 84
Ambystoma Maculatum 67
Aminogallane Synthesis, studies in 72
Anderson, Shawn 77
Andrews, Lydia D. 120
Angus, Robert 55, 63
Apios americana medikus (Fabaceae): An Intraspecific revision 53
Aquifer Depletion and Alabama's First Watershed Management Authority 83
Asian Ambrosia Beetles and Their Fungal Allies, wood response to invasion by 52
Asouzu, Moore U. 77
Asteroid, *Coscinasterias tenuispina* (Echinodermata) 50
Astone, Mary K. 126
Astone, Nicholas 110
Balanced-Budget Economics, disparate scenarios for 100
Barksdale, Zachary 62
Barrier Height Modification for Metal Contacts on Wide Band Gap
Semiconductors 124

Bateman, B.J. 91
Beale, Stephen C. 70
Beddingfield, Steven D. 57
Benchmarking: Considerations, Procedures and Impact on Competitiveness 103
Benefits to Students in Working on Small Business Cases 104
Benford, Helen H. 104, 107
Best, Troy L. 6
Bioconversion of Cholesterol by the Gonadal Tissues of the Echinoid *Lytechinus variegatus*? 56
Bird, R.C. 59
Bisch, Sarah 122
Bishop, Charles D. 55
Black Patronage of and Attitudes toward Black-owned/managed Businesses 103
Blackwell, Eric A. 67
Blood Donation Among College Students, attitudes toward 100
Bollenbacher, Walter E. 60
Boots, Larry R. 67, 119
Boundary Matrices for Ordinary Differential Systems 93
Boyd, Robert S. . . . . 51, 54 ,88, 89, 91
Bradley, James T. 62, 63, 209
Brande, Scott 69
Branton, Al.M. 116
Brefeldin A Alters Vitellogenin Secretion in the Stick Insect *Carausius morosus* Br. . 209
Briles, Julie 100
Brouillette, Wayne J. 76
Brown, Sarah R. 94, 95
Bu, Lujia 72
Buckner, Ellen 112
Burney, J.Marcel 79
Burns, Jerald C. 111
Butsch, April 118
Cahaba Lily: Its Distribution and Status in Alabama 222
Canakis, Jerrold S. 115
Cancer: Potential Use of Oncofetal Antigen in Detection, Prevention, and Treatment 119
Canine Cyclic Hematopoietic Dogs, comparison of *c-kit* function in normal and 57
Canupp, Kay 115
Capillary Electrophoresis, preparation and evaluation of gel gradient for 71
Capillary Electrophoresis with Laser Induced Fluorescence Detection of Peptides with Single Labels 70
Carnevali, Antonio 92, 101

Carter, Terry 101
Carter, William C. 111
Chemoreceptive Responses of *Mitrella ocellata* (Mollusca:gastropoda) and *Ophionereis reticulata* (Echinodermata: Ophiuroidea) to a Bermudian Asteroid, *Coscinasterias tenuispina* (Echinodermata) 50
Chen, Zhi 79
Child Abuse Prevention Unit in Three Schools 112
Chitin Monomers and Oligomers, separation and detection of by capillary zone electrophoresis 77
Ciliary Patterns of *Hyalophysa spp.*, A Symbiont of *Palaemonetes pugio* 50
Clark, Ron 104
Clematis socialis kral, genetic diversity of 54
Cline, George R. 67, 233
Co(III) -cyclen Complexes 81
Coan, Brad 100
Coate, Tom 50, 77
Comb Plates of *Mnemiopsis mccraydii* bear a Microbial Community 69
Community Health Nursing in Brazil: A Student Experience for the WHO International Center for Nursing 117
Computer Simulation of Particle Orbits in the UNA Hollow Cathode Experiment 92
Computer Gender Stereotyping: Implications for Academia and the Workplace 126
Computers, Sex and Freedom versus Censorship 107
Coping with Computer Stress 108
Cost, Mike 76
Crawford, Gerald 96, 97, 104
Crayfish Aquaculture in Alabama 60
Crayfish Pigmentation, environmental alterations of 54
Cyclin Genes in HeLa Cells, effects of okadaic acid on mRNA levels 59
Cyrilla raceme Community 52
Dailey, Robbie J. 56
Daniell, Henry 59
Das, K. 124
Dass, Brinda 63
Datta, Anjali 93
Davenport, L.J. 222
Davis, Michael A. 52
Dean, Lewis S. 85
Deason, Leslie D. 69
Delcourt, D.C. 91
Diabetic Ketoacidosis, pitfalls in the diagnosis of 121
Diamond, Alvin R., Jr. 49

Diniz, Julie 117
Direct Response TV, update on 102
Disjoint Paths Algorithms on Cographs 123
Dissociation Constants by Circular Dichroism Spectroscopy 75
Distributed Termination Detection, are we done yet 126
Dobie, James L. 1
Dolomite Alteration in the Smackover Formation, Appleton Oil Field, Escambia County, Alabama 83
Dunu, Emika Samuel 98, 103
Dusi, Rosemary D. 61
Dusi, Julian L. 61
Dute, Roland R. 49, 52
Earthquake of October 18, 1916, central Alabama 85
Ecology of the Alabama Canebrake Pitcher Plant 91
Economic Analysis of Municipal Governmental Budgeting: the case of the Birmingham,Alabama General Fund 15
Economic Development of Togo: An Analysis of Exports and Economic Policy 97
Economic Impact Study as a University Marketing Tool 96
Eley, J.G. 117
Elkins, A.L. 117
Elliott, Timothy R. 110
Energy Gains by Protons Moving Near the Dusk Flank of the Magnetosphere 91
English, Mark 85
Enterococcal Infections: Therapeutic Implications of Antimicrobial Resistance 123
Erskine, Margaret T. 54
Esensoy, Yilmaz 98
Estridge, B.H. 62, 116, 209
Et_3Al/Secondary Amine Systems: Route to Al-N Oligomers 1
European Customs Union, impact of entering on the Turkish economy 98
Ferry, Jerry W. 94
Findley, Henry M. 93, 96
Fish, Fred 75
Fisher, Stephanie 86
Fitzwater, Evelyn L. 122
Flattened-Musk Turtles, demography, diet, and prey availability of 66
Flora of Conecuh County, Alabama, origins of the non-indigenous 49
Flow Chart for Naming Acids, Salts, and Covalent Compounds 106
Fluoroarenes, prediction of the ^{19}F NMR using symmetrical mathematical models . . . 80
Fogarty, Jarrod H. 58
Folkerts, Debbie Rymal 52, 158
Folkerts, George W. 146

Forced Versus Unforced regressions in the Rock Record: Examples from the Plio-Pleistocene of North Island New Zealand 82
Forester, David 92
Foster, Portia 120
Frandsen, John C. 104, 107
Freeman, John D. 89
French, Elizabeth I. 106
Fura-2 in Aqueous Buffer Solutions, bivalent cations affect the fluorescence properties of 74
Garrard, Clare T. 70
Gastric Lymphoma, role of H. Pylori in 115
Gatlin, Kerry 99, 102
GATT: Progress and Challenges 102
Gebeyehu, Zewdu 243
Gelation of Poly(vinyl alcohol) with Borax in Strongly Alkaline Solution 79
Genetically Engineering Drought Tolerance in Cultured Tobacco Cells Using the Maize Sorbitol Dehydrogenase Gene 65
Gentle, Paul 15
George, Joseph D. 105, 106
Geothermobarometric Analysis of the Murphy Belt Structural Evolution, North Georgia Blue Ridge 84
Gerdom, Larry E. 106
Gewin, Lindy 59
Giles, B.L. 91
Giles, William F. 96
Glands, involvement of microtubules in 60
Goodman, Pat 120
Graft Copoymers with Ionic Side Chains. Synthesis and Characterization 73
Gray Bat (*Myotis grisescens*), movements of between roost sites and foraging area 6
Gresham, Cathy 122
Griffin, Marsha D. 100,103
Groszos, Mark S. 84
Groundwater Flow in the Surficial Aquifer Adjacent to Eslava Creek, Mobile, Alabama, bank storage's influence on 90
Guffey, M. Brad 57
Guyer, Craig 66
Habitat Preferences and Morphometrics of a Freshwater Prosobranch Snail *Elimia carinocostata* 69
Hall-Brown, Mary 81
Hamilton, Tracy P. 79

Hammer, Hugh S. 55
Harris, Nathan J. 73, 75
Hayes, Lee T. 146
Hayes, Joseph W. 146
Haywick, Douglas W. 81, 82, 83, 85, 86
Health Care in Rural Environments: A Case Study of Green County, Alabama 190
Health Care Problems and Solutions in the United States 101
Helms, David 112
Hemmer, L. 74
Heron Colonies near Tuskegee, Alabama 61
Heterogeneous Process Migration and Register Cardinality 125
Hicks, David R. 88
Higdon, Heather 79
Hileman, Douglas R. 51
Hill, Jill 51
Hines, Gene A. 67, 68
Hinnant, Mary 76
Hitt, Austin 63
Holman, J. Alan 1
Homelessness, meaning and significance of to a child 114
Hope Scale 110
Howard, Lolita 103
Hudiburg, Richard A. 108
Hudson, M. Keith 6
Human Development and Gender Inequality: A Comparative Study of Developed and Developing Countries 101
Hutchison, Tracy L. 76
Hyperemic Uterine Conditions 61
Hypertension, review of pharmacologic treatment of 170

Icthyofaunal Diversities on the Upper Cahaba River: Possible Effects of Urbanization 55
Imanuel, Jennyfer 100
Immunohistochemical Detection of *Toxoplasma gondii*: A New Monoclonal Antibody 116
International Center for Nursing 117
Internet Resources for Business Research 94
Investigation for the Storyteller 109
Isphording, Wayne C. 82
Izeogu, Chukudi 87, 90
Jackson, Warren T. 110

Jebel Ali Free Zone: Past, Present and Future 87
Jetton, R.E. 80
Johns, Tracy L. 123
Johnson, Casey 51
Johnson, Adriel D. 61
Johnson, Jacqueline U. 61
Jones, Cecil L. 75
Jones, T. Morris 94, 95
Jordan, Toni 115
Kim, Hiryoung 123
Klein, Andre 84
Kopaska-Merkel, David C. 81, 83
Krannich, Larry 71, 72
Kudzu Growth in East Alabama, color infrared photography to identify 88
Laboratory Involvement for Middle School Science, six types of 105
Lake, Charles 72
Lalor, Melinda 55
Lamboni, Mindi 97
Lammertsma, Koop 73, 75
Landers, Stephen C. 50, 77
Lavender, Martha G. 120
Lawrence, Bonita A. 93
Learm, Joshua 43
Leary, Christopher J. 1
Lepardo, Lisa 43
Lewis, Brenda J. 109
Lived Experiences of Women in Treatment of Weight-Loss: A Feminist Analysis . . . 112
Loggerhead Sea Turtle (*Caretta caretta*), nesting activity of 56
Long, Judy A. 73
Longleaf Pine (Pinus palustris) Foliage Grown under Resource Limitations,
effects of elevated CO_2 on cytochemisty, anatomy and ultrastructure of 53
Lopez, Kay M. 112
Lorden, Joan F. 109
Lothrop, Clint D. 57
Mahaffy, C.A.L. 78, 80
Maize Sorbitol Dehydrogenase Gene 65
Managed Care Era, obstacles to delivery of quality care in 114
Managing Continuous Improvement in the Production/Operations Function 98
Manipulation of Sediment by the Colonial Zoanthid Palythoa SPP 86
Marijuana: Issues and Perspectives for Medical Legalized Usage 110
Marion, Ken R. 55, 68

Marketing Higher Education 95
Marshall, Elaine 112
Matocha, Jeff 126
Mays, Jimmy W. 72, 74
McCall, Helvi 118
McClintock, James B. 50, 57, 64, 69
McCutcheon, Martin M. 125
McDaniel, N. 78
McKenzie, W. Tony 68
Meade, Mark E. 60, 233
Mercer, Terry 90
Michael, Scott F. 68
Middle to Late Paleozoic Extensional Development of West-Central Vestvagoy, North Norway 84
Miller, J.H. 89
Miller, M.C. 117
Mills, German 76
Mo, Xiumei 72
Moar, Bill 59
Moeller, Michael G. 79
Moore, Debra S. 68
Moore T.E. 91
Morgan, Darrell D. 69
Morrow, Angela C. 49
Mortley, Desmond G. 51
Moseley, Nelson 59
Moss, Anthony G. 69
Muccio, Donald D. 75
Mueller, Erich M. 86
Mullins, Dail W.,Jr. 105
Murphy, Patrick B. 91
Muthukrishnan, Prakash K. 124
Nanney, J.R. 80
Needle Palm (*Rhapidophyllum hystrix*), world's largest stand of 146
Neely, W.C. 74
Neimeyer, Glenn P. 57
Nelson, David H. 56, 58
Newman, Sharlene D. 125
Nickel Hyperaccumulation in Psychotria Douarrei from New Caledonia, variability of 89
Nickel Tolerance, does nickel hyperaccumulation correlate with 51

NMR Line Positions, prediction of by statistical methods 80
Novack, Thomas 115
NTO. Tautomerism, Ionization, and Bond Dissociations 75
Nursing Home, comparison of 122
O'Donnell, Daniel J. 90
Olivocerebellar Transmission in the Normal and Dystonic Rat 109
Onorato, Dave 55
Ophioderma Brevispinum in Two Sea Grass Habitats, population dynamics of 64
Ovarian Protein Localization in Insect Follicles Using Confocal Microscopy 62
Palmatier, Andrew D. 110
Parenting and Childrearing Attitudes Among High School Students:
Effects of a Child Abuse Prevention Unit in Three Schools 112
Pathirana, S. 74
Pedagogy: What Should be Expected of Non-majors Biology Courses? 104
Peripartum Cardiomyopathy: Case Report and Literature Review 122
Peterson, Curt M. 53
Petrography and Luminescence Properties of Dolomite within the Smackover
Formation. Core X1533, Escambia County, Alabama 81
Petty, Anna E. 89
Pfeiffer, Leigh 83
Pieroni, Robert E. 114, 118, 121, 122, 123
Pigment Allele Expression in Sailfin Mollies, quantification of using
image analysis 63
Pinheiro, Manuel 102
Pitsikalis, Marions 73
Pitts, Charlotte S. 170
Pleistocene Indigo Snake, *Drymarchon corais*, from Bogue Chitto Creek,
Dallas County, Alabama 1
Poirier, G.R. 62
Politics of Crime Prevention and Control 111
Polybutyl Methacrylate Grafted onto Silica Spheres, synthesis and
characterization of stabilized dispersion of 72
Powell, Mickie L. 54
Prawn Larvae, *Macrobrachium rosenbergii*, Fed *Artemia nauplii* from
Different Geographical Locations, growth and survival of 233
Prenatal Screening, biochemical markers for 119
Prescott, Robert E. 88
Pritchard, Seth G. 52
Procambarus clarkii Hatchlings, growth of using formulated diets 58
Prothoracicotropic Hormone-Stimulated Ecdysteroidogenesis by Insect Prothoracic
Glands, involvement of microtubules in 60

Psychological Assessment of Blind Veterans in Rehabilitation: A Study Using the Hope Scale 110
Pygmy Shrew, *Sorex hoyi winnemana* Preble (Insectivora: Soricidae), in Alabama, first records of 43
Quality of Life in Older Adults, relationship of selected demographic characteristics, health conditions, and personality hardiness with 113
Rahimian, Eric 97, 98, 101, 102
Rawlings, Jill 81
Reaction of a Chloronitreno Complex of Tungsten with Gallium Trichloride: Synthesis and Characterization of $(ClN)Cl_3W(\mu\text{-}Cl)_2GaCl_2$ 243
Red Swamp Crayfish, *Procambarus clarkii*, preliminary survey of digestive enzymes in juvenile 55
Redbelly Turtle (*Pseudemys alabamensis*), geographic distribution of the Alabama, in the Mobile-Tensaw delta 58
Rees, Barbara B. 113
Regional Socio-economic Analysis of Alabama: 1970-1990 90
Reproductive Periodicity and Variation in the Echinoid *Lytechinus variegatus* in Three Contrasting Microhabitats 57
Retail Price Competitiveness for Convenience, Shopping and Specialty Store Locations 99
Reynolds, Barbara 69
Reynolds, S. 124
Richetto, Jeffery P. 190
Riggsby, Dutchie 106
Riggsby, Ernest D. 105, 106
Robbani, Mohammad G. 101
Rohrer, Shirley D. 119
Rooming-in, Attitudes of Nurses Toward 120
Rulemaking under the Family and Medical Leave Act 108
Salt, Sulfur, and Saltpeter in Alabama During the Civil War, production of 77
Saripalli, Lalith D. 58
Schauer, Steven 71, 72
Schnuelle, Karan A. 66
Scientist as Hero in Marcel Proust's *In Search of Lost Time* 111
Scrofula in Aids Patients 118
Sediment Texture Signatures in Gulf Coast Estuaries 82
Sedimentological and Petrographic Examination of an Exhumed Soil Horizon. Dauphin Island, Alabama 85
Seed Bank Diversity 36 Years Post-treatment, effects of forestry site preparation methods on 88
Selective Inhibitor of Liver Carnitine Palmitoyltransferasel 76

Semi-rigid Poly(t-Butylmethacrylate) 74
SETI - Teaching Science with a Single Equation 105
Sex-Specific 5B-Reductase Activity in the Gonads of the Nile Tilapia, *Oreochromis niloticus* 68
Sheridan, Richard C. 77
Sherrill, Regina 97
Shook, Lyle L. 107
Smith, Wendy A. 60
Smith, Jason M. 109
Social Exchange and Distributive Justice 96
Sommerville, Vicki 81
Special Care Unit and Traditional Care Unit Residents Experiencing Dementia in a Nursing Home, comparison of 122
Speciation in the Genus Acris 68
Spirituality: The Hidden Side of Health 121
Sprague, Ala 123
Steltenpohl, Mark G. 84
Stephenson, Charlotte 118
Steroid Levels during Early Development of the Tilapia *Oreochromis niloticus* 67
Stewart, Terrell 104
Strong, William R. 87
Structural Adjustment Programs (SAP) in West Africa, the environmental effects of 87
Student Spreadsheets, guidelines for developing 94
Students with Physical Disabilities in Laboratory Courses, comparison of accommodation methods for 78
Styron, Eric 71
Sudmeier, Sara Jane 70
Sullivan, Linda 114
Sundermann, C.A. 116
Superovulating NZW Rabbits: Maximizing Embryo Yields while Minimizing Hyperemic Uterine Conditions 61
Sweetpotatoes Grown Hydroponically, photosynthetic response to long-term and short-term changes in carbon dioxide 51
Swenson, Daniel P. 50
Synthesis of 2-[6-(2,4-Dinitrophenoxy)Hexyl]-Oxirane-2-Carboxylic Acid, A Selective Inhibitor of Liver Carnitine Palmitoyltransferasel 76
Synthesis, resolution and analgesic activity of 1-[2-(1-hydroxy-1-pheny)ethyl]-4-(propananilido)-perhydroazepines and analogues 78
Taylor, Robert E. 110
Teggins, J.E. 78

Temporal Development of the UNA Hollow Cathode Discharge 92
Tidwell, Cynthia 92
Tiny C++ Compiler - a Formal Semantics based Implementation 124
Transepithelial Transport of a Boronated Di-peptide across a Cell Model: HCT-8 117
Transgenic Cotton Plants Expressing Insecticidal Proteins, production of 59
Trypsin Inhibitor Sensitive Enzyme in Murine Epididymal Fluid, characterization of a soluble 62
Trypsin Inhibitor Sensitive Site on Murine Sperm 64
Tull, James F. 84
Turner, William M. 58
Ultrasound-induced Reactions of 4-Nitrophenol in Solutions of Surfactants 76
van Eyck, C. 124
Van Der Velde, Robert J. 108
Viohl, Frederick A. 95
Vitellogenin and Vitellin, anti-ecdysone and anti-von Willebrand factor reactivity with insect 63
Vodyanoy, V. 74
Wall, Michael A. 51
Wan, Y. 74
Wasson, Kristina M. 56, 68
Watkins, Charles 71, 72
Watkins, James E., Jr. 51, 54
Watson, R. Douglas 60
Watts, Stephen A. 54, 55, 56, 58, 60, 67, 68
Welfare Reform, metaphoric role of 99
Well-being for Families Who Care for Healthy and Technology Assisted Infants . . . 118
Wilder, Barbara F. 113
Willcutt, Christy 87
Williams, Clare L. 64
Winston, Levert 90
Wolfe, G. 78
Wood, Sunny 116
Woods, Michae 53
Woody, Tajuan M. 64
World Wide Web for Accounting Research 95
Wound Response in (*Botrychium disssectum*), the Common Grape Fern 49
Written Nursing Care Plan as a Measure of Critical Thinking, effectiveness of 120
Wynn, Theresa A. 121
Xu, Zhongde 72
Yalamanchili, Mallikharjun 125

Yancey, Donna 99
Yang, Jinchuan 72
Zhou, J. 74
Zimlich, Michael A. 50